

B. monophylla Pav.

DC., Ann Sci Nat IV: 11: 121 (1859)

earlier than Prod.

is the

the

look up at Gray

Desmodium notes

Desm. for Manual ✓

" " Panama

" " Colombia

" " Mexico

" " Ind. Occ.

Saturday - May 6 - photographed:

(1) *Desmodium* of Peru from
Field Mus. Nat. Hist. Bot. Ser.

xiii. pt. iii. no. 1, cover + pp 413-439

(2) Mart. & Gal. list of *Desmodium*
from Acad. Roy. Brux. x. no. 7
of the Bull. - 1st p. of fascicle
+ pp 5-11 + miscell. pp. to
the pack.

(3) *Desmodium Riedelii* ?

● *Begonia Baroni* J. E. Baker

● Perennis, glabra, caule elongato robusto ramoso, foliis magnis membranaceis inaequaliter cordato-orbicularibus serratis, cymis laxissimis magnis dichotomiter ramosis, fructu trialato ala unica reliquis 3-4 plo latiori.

● Stem smooth, straight, woody, $\frac{1}{4}$ - $\frac{1}{3}$ in. in diameter. Leaves 6-8 in. long and nearly as broad, green, membranous, rounded on one side at the base, deeply cordate on the other. Cymes in the fruiting stage 8-9 in. in diam. Flowers not seen. Capsule 3-celled, oblong, $\frac{3}{4}$ in. long; wings thin but firm in texture, flexible, horizontally ribbed; one wing oblong, obtuse,

1-1 $\frac{1}{4}$ in. broad, the two
others $\frac{1}{4}$ - $\frac{1}{3}$ in. broad.

- Baron 4353! Allied
probably to B. Lyallii G. DC.

Begonia (≡ *Quadrilobaria*)
fragilis J. E. Baker

Acaulis, petiolis brevibus
glabris, foliis cordato-
orbicularibus membran-
aceis leviter repandis
denticulatis, pedunculo
stricto pedali, floribus in
cymis paucifloras corym-
bosas monoicas dis-
positis, bracteis obovato-
spathulatis, perianthis
masculis segmentis 2
cordato-orbicularibus,
filamentis brevibus
liberis, ovario oblongo-
triquetro alis tribus
angustis inaequilatis.

A fragile annual, with
a slender rootstock and
very thin leaves. Petiole
 $\frac{3}{4}$ - $1\frac{1}{2}$ in. long; leaves
usually two; blade 4-6
in. broad. Peduncle $\frac{1}{2}$ -
1 ft. long, stiffly erect,

slender, fragile. Cyme
dichotomously forked,
dense or rather lax;
male flowers much
more numerous than
female. Perianth-segments
reddish, $\frac{1}{3}$ in. long and
broad. Anthers obtusely
apiculate, $\frac{1}{8}$ in. long,
three times as long as the
free filaments. Ovary $\frac{1}{2}$
in. long; wings at most
 $\frac{1}{4}$ in. broad, confluent
at the base of the ovary.

— Baron 4677! Near
B. noesibaea, G. DC.

#94 — #109. Need a genus name.

#113 Need a genus name.

Hedysarum granuliferum in little black book
does not have a negative slot and
is missing.

missing

268

287

275

290

279

280

282

H. Prod. 11 825)) Had 3 sections

1. - *Euclesmodium*
2. - *Pleurolobium*
3. - *Chalarium*

the third the largest, and subdivided into:

- (1) *Unifoliolata* and (2) *Trifoliolata*

the latter further subdivided geographically into:

- ① *Borealis Americana*
- ② *Mexicanae*
- ③ *Australi-Americanae + Caribeae*
- ④ *Capenses*
- ⑤ *Mauritianae, Madagascarienses + Arabicae*
- ⑥ *Indicae*
- ⑦ *Australasicae*
- ⑧ *Japonicae aut Chineses*

Chalarium is unfortunately not a natural section -

~~It was treated by Benth & Hooker in Gen. Pl. as follows~~

Also H. maintained the genera *Ficerna* and *Nicolsonia* now kept in *Desmodium*.

Baker's groups in H. Trop. Afr.

1. Eudesmodium
2. Chalarium [= Cyclonarium p.p. (Am.)]
3. Heteroloma
4. Podocarpia
5. Nicotsonia
6. Sagovia

Eudesmodium

E. umbellatum

Benth. & Hook. Gen. Pl.

B. & H. have 12 sections in
Desmodium

1. Dendrolobium
2. Phyllodium
3. Dicenna
4. Pteroloma
5. Catenaria
6. Scorpiurus
7. Tallinera
8. Heteroloma

with 4 subsections

- (a) Strobilostachys
- (b) Leptostachys
- (c) Podocarpia
- (d) Nephromeria

(9) Chalarium

(10) Nicolsonia

(11) Sagotia

(12) Pleurolobium

Although B. & H. attribute
§ Chalarium to DC -
whereas he included some
110 species they include
only 20

These sections are more nearly
natural than those of DC.
however (but cf. DC. Mem. reg.
VI).

Martens & Galcotti coll.^s

Phot. no.	Gal. no.	det
88	3265	
92	3337	(= <i>D. scorpiurus</i> <i>D. parviflorum</i> M. + G.
93	3143	<i>D. Conzattii</i>
93a	3143 ^{bis}	" " 2nd sheet
146	3166	<i>D. affine</i>
149	3316	<i>D. angustifolium</i> <small>Det. 26</small>
150	3304	<small>pro, D. obtusum</small>
151	3168	<i>D. amplifolium</i>
152	3414	<i>D. orbiculare</i>
153	3296	<i>D. caripense</i>
154	3416	<i>D. gracile</i>
155	3275	<i>D. hirsutum</i>
156	3160	<i>D. nitidum</i>
156a	3160	" " 2nd sheet
219	3407	<i>D. canum</i>
220	3420	
221	3422	
224	3324	
226	3271	<i>D. prehensile</i>
227	3305	<i>D. Nephromeria</i>

S = Sodium
H = Helium
Aersch = Aeschynomene

X

Photographs — 1365.

Paris 1-156a

D'Orbigny - no. 913 (Bolivia)

1. ~~HBK.~~ D. platycarpum Bth. (fr.)
2. H. angustifolium HBK. (cf. 25)
3. none
4. H. molliculum HBK. (cf. 26)
5. H. venustum " (cf. 27)
6. H. adscendens " ~~(cf. 28)~~
7. H. tortuosum sensu HBK.
8. H. tenellum HBK. (cf. 28)
9. H. caripense HBK. (cf. 29)
10. H. supinum sensu HBK.
11. H. cajanifolium HBK. (cf. 30)
12. H. " " #2
13. H. cinereum HBK. (cf. 31)
14. D. arenarium HBK. (cf. 32)
15. D. elatum HBK. (cf. 33 & 34)
16. D. elatum "
17. D. elatum "

Tephrosia

18. T. Senna HBK. 8230
19. T. venustula HBK. 8231
20. T. leucantha HBK. 8232
21. T. emarginata HBK. 8233
22. T. oroboides HBK. 8234
23. T. mollis HBK. 8235
24. T. astragalina HBK. 8236

2.

see also *Microfiches* Lam. Herb.
Box 5 where are some *Hedys.*

- 25. *H. angustifolium* (cf. 2)
- 26. *H. molliculum* (cf. 4)
- 27. *H. venustum* (cf. 5)
- 28. *H. tenellum* (cf. 8)
- 29. *H. caripense* (cf. 9)
- 30. *H. cajanifolium* (cf. 11)
- 31. *H. cinereum* (cf. 13)
- 32. *D. arenarium* (cf. 14)
- 33. *D. elatum* (cf. 15-17)
- 34. *D. elatum* (lower lft surf.)

Lamarck Herb. nos. 35-81

- 35. *H. alhagi* Encyc. vi. 1
- 36. *H. bupleurifolium* E. vi. 2
- 37. *H. gramineum* Retz. ".vi. 3
- 38. *H. moniliferum* ".vi. 4
- 39. *H. nummularifolium* ".vi. 8
- 40. *H. styracifolium* L. ".vi. 9
- 41. *H. latebrosum* L. ".vi. 12
- 42. *H. cylindricum* Poir. E. vi. 14
- 43. *H. triquetrum* L. E. vi. 15
- 44. *H. strobiliferum* L. E. vi. 16
- 45. *H. imbricatum* L. f. E. vi. 17
- 46. *H. vespertilionis* L. E. vi. 18
- 47. *H. sagittatum* Poir. E. vi. 19
- 48. *H. diphyllum* L. E. vi. 22

49. *H. conjugatum* Willd. E.vi.23
50. *H. pulchellum* L. E. vi.25
51. *H. umbellatum* L. E. vi.27
52. *H. repandum* sens.Poir.E.vi.33
53. *Aesch. remota* Poir. E. iv.13
54. *H. viscidum* L. E. vi.35
55. *H. hirtum* L. ^{= *lespedeza*} E. vi.36
56. *H. glutinosum* (M.ex W.)Wood
E. vi.43
57. *H. lagopodioides* L. E. vi.44
58. *H. emarginatum* Poir. E.vi.45
^{= *glabrum* f. aks - vrb. OK L}
59. *H. tortuosum* Sw. E. vi. 46
60. *H. polycarpon* Poir. E.vi.48
61. *H. paniculatum* L. E. vi. 49
62. *H. junceum* L. E. vi. 50
63. *H. violaceum* L. E. vi.53
64. *H. canescens* ~~✗~~ paleaceum
E. vi. 62
65. *H. coriaceum* Poir. E. vi. 65
66. *H. coriaceum* (sh. no. 2)
67. *H. canadense* L. E. vi. 66
68. *H. caespitosum* Poir. E.vi.71
^{= *canadense*}
69. *H. repens* L. E. vi. 77
70. *H. obcordatum* Poir. E.vi.78
71. *H. onobrychis* L. E.vi.104

Aeschynomene

4.

72. *H. onobrychis* (sh. no. 2)
73. *H. caput-galli* L. E.vi.109
74. *H. crista-galli* L.E.vi.110
75. *H. coronarium* L.E.vi.120
76. *H. sibiricum* Poir. E.^{Suppl.}v.17
E.vi.156
77. *H. spinosissimum* E.vi.137
78. *Aesch. gangetica* E. iv.16
79. *Aesch. maculata* E. iv. 15
80. *Aesch. spicata* Poir. E.iv.14
81. *Aesch. frutescens* E. iv. 11
82. *D. glutinosum* ex hb. Desv.
in large series with Poirot's writing? ^{Phot.}H.E.M. in
83. *D. Alamani* (cult.) Paris hb.
84. *D.* " fls. & fr.
84a. *D.* " lvs. & fls. Berlandier
no. 851
85. *D.* " Berlandier 879
86. *D.* " " hb. Paris
87. *D. affine* (albiflorum) leg.
Salzmann
87a " " leg. Salzmann
87b " " " "
88. ^{*Sesmodium*} Mart. & Gal. 3265
89. " Gaudichaud 896
90. " E. Kerber, no. 292 (Mex.)

Hedysarum

5.

Hb. Jussieu numbers

99-145 incl.

also nos. 170-172 incl.

- 91. D. asperum? Weddell 3178 P.
- 92. D. parviflorum M. & G. = scorpiurus
- 93. D. Conzattii Greenm.
- 93a " " (=D. plicatum M. & G.)
- 94. { Catal. Jussieu pp. including
- 95. { Hedysarum and related
- 96. { genera
- 97. {
- 98. title-p. of Cat. Hb. Juss.
- 99. no. 15594
- 100. 15593 D. mauritianum DC.
- 101. 15592
- 102. 15591
- 102a 15591+A
- 103. 15586 H. frutescens A
- 104. 15585 H. sericeum Juss.
- 105a. 15584 H. biarticulatum L.
- 105b. 15584+B
- 105c. 15584
- 106. 15584+A
- 107. 15583
- 108. 15582
- 109. 15581 = 109a *H. heterocarpum fide Catal.* 15581 = 109
- 110. H. rugosum ✓
- 111. H. gangeticum
- 112. H. deltoideum

H. carum
4/26/62
= not + from

117
30

113. no name from Guinea
 114. *H. fruticulosum*
 115. *H. trigonum*
 116. *H. emarginatum* *Hb. Galam-nosy*
 117. *H. macrophyllum* *Ans. cat. 1895 -*
 (*axill. v. Sinterisii*) *Guinea*
 118. *H. stoloniferum* *CAT. N°*
 15570
 119. *H. styracifolium*
 120. *H. asperum*
 120a. " "
 120b. " "
 121. *D. virgatum* Desv.
 122. *D. repens*
 123. " " ?
 124. *D. salicifolium*
 ➤ 125. *D. laburnifolium* - *caudatum*
 126. *D. siliquosum* ?
 126a. *D.* " ?
 127. *D. capitatum* Burm.
 128. *H. trilorum* Ile de Bourbon
 128a. " " Ile de France
 128b. " " Inde & Java *heterophyllum*
 129. *H. polycarpum* *CAT. S.*
 130. *H. granuliferum* *na. 1893*
 131. *H. diversifolium* *p. 23 (1893)*
 132. *H. scalpe*
 132a. " " *C. 1893*
 1834

- 133. *H. caespitosum*
- 133a. " "
- 134. *D. axillare* (reptans f. cat.)
- 135. *D. supinum*
- 135a. " "
- 136. *D. acuminatum* (=glutinosum)
- 136a. *D. nudiflorum*?
- 136b. *D. acuminatum* (=glutinosum)
- 136c. lvs of glutinosum
fr. of axillare
- 137. said to be paniculatum but
questioned by A. Gray
- 138. *D. canescens* ~~A~~.paleaceum
- 139. *H. lutescens* = *Pycnospora*
lutescens f. AKS.
- 140. *H. canadense*
- 140a. " "
- 140b. " "
- 140c. " "
- 141. *H. gangeticum*
- 141a. " "
- 141b. " " "affine" sed non idem"
- 141c. " " prob. same as 141b
- 142 *H. gyrans*
- 142a. *H. gyrans*
- 143. *H. triquetrum*

- 144. no cat. no., but var. of
D. Vargasianum (arcuatum)
- 145. H. scorpiurus
General Hb.
- 146. D. affine (D. albiflorum
sensu M. & G. coll. Gal. 3166)
coll. E. R. Wagnier
- 147. D. Hickenianum Burk. *17 Nov. 1902*
- 148. D. leptocladus Hemsl. *Goudot coll. Colombia*
- 149. D. angustifolium (M. & G. 3316)
- 150. D. affine sensu M. & G. 3304
- 151. D. ampliifolium (M. & G. 3168)
- 152 M. & G. 3414
- 153. M. & G. 3296 (caripense?)
- 154. M. & G. 3416 gracile
- 155. D. hirsutum M. & G. 3275
- 156. D. nitidum M. & G. 3160
- 156 a " " 2nd sheet.

7c 5x7

0602 0200

238 5350

nos. 157-169a and 173 & 174 from
Regnelliska Typherbariet, Stockh.
nos. 175-179 from General Hb.

157. *Beg. purpurea* Sw. Stockh.

158. *B. extensa* S. & S.

158 a. *B. extensa* details

} double exposure
but have prints
from Stockh.

159. *Desm. adscendens* Sw.

160. *D. axillare* Sw.

161. *D. Dutrae* Malme

162. *D. supinum* Sw.

} double exposure
but have prints
from Stockholm.

163. *D. incanum* Sw.

164. *D. glabrescens* Malme

164a. *D. glabrescens* details fl.

165. *D. Hjalmarsonii* AKS.

165a. *D. Hjalmarsonii* details fr.

166. *D. immerens* Macbr. = *D. campylolados*
^e

167. *D. Scorpiurus* Sw.

168. *D. spirale* Sw.

169 *D. subsericeum* Malme

169a *D. subsericeum*, var.

170. *Hedys. umbellatum*

170a " " (drawing)

171. *Hedys nervosum*

172. *Hedys. australe*

173. *D. tortuosum* Sw.

174. *D. trigonum* Sw.

175. *D. platycarpum* leg. Jarneby

176. *D. platycarpum* Malme 2274

+ enlargement of fr.

Cat. Hb.
Jussieu
Paris

(+ det. x1)

177. D. platycarpum Malme 2274c

178. " " (2nd sh. fr. x1) 2274c

179. " " (+ fls x1) 2274a

Copenhagen 180-194

180D. angustifolium Oersted 4761

181 " " Liebmann 4762

182 " plus details " 4763

183. " " " 4764

184 " " " Liebm. 4763A &
4764a185. Hedys deltoideum Schum & Tnom.
~~185.~~

185a reverse side of sheet of 185

185b sheet 2 of same

185c reverse side of sheet 2

186 Hedys. fruticulosum S. & T.

186a reverse side of sheet

186b sheet no. 2 of same

187. Hedys. lanceolatum S. & T.

187a reverse side of sheet

188. Hedys. granulatum S. & T.

188a reverse side of sheet

189 Liebmann 4782 (D. infractum)

190 " 4776 (D. Conzattii)

191 D. diffusum

192 D. discolor v. Pohlii
(warming 2970)

- 210. *Euonymus alatus*, v. *ciliato-dentatum*, Faurie 3383
- 211. *E. acanthocarpus* Delavay s.n.
- 212. *E. acanthocarpus* Delavay 2816
- 212a additnl mat. of 212
- 212b " " " "
- 213 *E. grandiflorus* Wall. 4282
- 213a " " " 4282a
- 213b " " " 4282b
- 214 *E. Przewalskii*
- 215. *E. Semenovii* (addnal mat.
1 sh. on loan)
- 216. *E. Vidalii* (1 sh. on loan?)
- 217 *E. yunnansis* Delavay 1527
addnal mat. 1 sh. on loan
- ⁸²⁴⁶ 217a additional material
- 218 *Pachecoa prismatica*
Andrieux 402
- 219 M. & G. 3407
- 220 M. & G. 3420
- 221 M. & G. 3422
- 222. isot. *M. ciliare*, v. *acutifoliola* AKS. Wright 2318
- 223. prob. type of *H. terminale*
- 223a more mat. of 223
- 223b more mat. of 223

224-229 incl. - where are negs.?

223c. more mat. of 223

224. M. & G. 3324

225. D. Helleri Isot

226. M. & G. 3271 D. prehensile

227. M. & G. 3305 (sect. Nephromeris)

228. Duchassaing. with unpub. name

229. Hahn Mex. anno 1865

230. D. Perrottetii (cited by AKS)

230a " " more material

231 " " coll. Perrottet

231a more material of 231

232 H. reptans Poir. = axill.,
var. stolonif.

Begonia HBK.

233. B. gracilis

233a. " "

233b. " " Peru-Gay

234. B. ferruginea

234a. B. ciliata

235. B. ulmifolia

236a " " Hb. Generale

237 B. elliptica

237a " "

238. B. dichotoma Jacq.

239. B. denticulata

- 240. *Begonia populifolia*
- 241. *B. acerifolia*
- 242. *B. umbellata*
- 243. *B. foliosa*
- 244. *B. elegans*
- 244a. *B. elegans*
- 245. *B. guaduensis*
- 245a. " " hb. Generale
- 246. *B. tenuicaulis*
- 247. *B. petropolitana*
- 248. *B. ludicra*, Galeotti 189
- 249. *B. macahensis* Glaziou
19823
- 250. *B. grisea*
- 250a. " "
- 251. *B. erythrocarpa*
- 251a. " "
- 252. *B. falciloba* coll. Liebmann
- 252a. " " coll. Galeotti
- 253. *B. elegans*
- 254. *B. coriacea*
- 254a. *B. coriacea*
- 255. *B. altoperuviana*
- 256. *Desmodium reniforme* (Desv. hb)
- 257. " (*Hedys. spicatum* Desv.)

258. *D. ormocarpoides* Desv.

259. *Dollinera Tiliifolia*,
f. *rhabdoclada* coll. Delavay
1986

260. *D. Tiliifolium* v. *Potaninii*
AKS. cited. Soulié 829

260a same var. Pratt 211

260b " " Pratt 695

260c " " Soulié 112

Geneva Hb. Prod. 261-

261. *Coccoloba Swartzii*
"ex India occid. à Dr. West" } coll. West
"*Coccoloba diversifolia*"

261a. *C. Swartzii*

2 coll^s on 1 sh. / Swartz & Forsyth spec^s

262 *Rudbeckia grandiflora* DC.

→ 263 *R. glabra* DC.

264. *R. cinerea* (under *Obeliscaria pinnata* in Hb. Prod.)
(*beliscaria*)

264a. *R. pinnata* (under *O. pinnata*)

→ on under side of pocket is note from Gray:

"Dear DeCandolle

Could you tell me if *Rudbeckia glabra*, DC. is any such thing as this, of which I send leaf and half a capitulum. Yrs."

Geneva - cont'd / Jan. 1951

- 265 - Stolz 745 sh. no. 1 } Desm.
- 265a - Stolz 745 sh. no. 2 } Stolzii
- 265b - Whyte exs. 1891 p.p. } both cited
- 266 *D. Zenkeri* - cited Zenker 1615
- 266a " " " 4787
- 266b " " " 2nd sh. " "
- 267 " *renifolium* ex coll. Burmann
- 268 " *heterocarpum*, v. *gymnocarpum* A.K.S.
- 269 *D. grande* Kurz
- 270. *D. wolohaensis* Schindl 1579 }
- 270a. " " 2nd sh. Camille Schneider }
- 271 *Begonia viduata* Raddi
- 272 " *fuchsoides* Bot. Mag 4281
- 273 *Hedys. geminiflorum* } all
- Desm. *Alamani* } from
- Lo. Pl. Mex. ined. } Lo. Mex. ined.
- 274 *D. stipulaceum*
- 275 *D. infractum*
- 276 *D. laxiflorum*
- 277 " *procumbens*
- 278 " *scorpiurus* (with Desv. annot.)
- 278a " " " "
- 279 *H. siliculosum* Burm. f. type
- 280 *H. obtusum* Muhl. ex Willd
- [on loan from Berlin - Willd hb.]
- + 1 enlargement

(for L.B5)

280a (2nd sh.)

A. *Eugenia VanVolxemi* }
B' " *multiflora* }

281 *B. Pennellii* with ♀
pocket material

282 *Hedys. mauritianum* Willd
Hb. W. 13794

283 *Hedys. australe* Willd
Hb. W. 13787

284 *Hedys. dichotomum* Willd.
Hb. W. 13785

285 *Hedys. diffusum* Willd //
Hb. W. 13781 Prod. 336

286 *Hedys. conjugatum* Willd
Hb. W. 13777 = *Zornia*

287 *Hedys. velutinum* Willd.
Hb. W. 13763

288 *Hedys. glutinosum* W.
Hb. W. [224]

● 289 *Hedys. biflorum* Willd.
Hb. Willd

● 290 a *Hedys. heterophyllum*
Hb. Willd. 13832
(sh. 1)

● 290 b (sh. 2)

290 c (sh. 3)

290 d (sh. 4)

291 *Hedys. cuspidatum* W.
Hb. W. 13820

292 *Hedys. tuberosum* W.
Hb. W. 13819

● [= *Pueraria tuberosa* f. L.K.]

293 a *Hedys. trichocarpum* W.
Hb. W. 13808 = *Lespedeza*

293 b — (sh. 2)

● 294 a *Hedys. ciliare*
Hb. Willd 13814

294 b (sh. 2 = *Lespedeza*)

295 *O. kilifolium* (O. Don) Wall.,
var. *subtomentosum* Peter
(TYPE) Uppsala outc. to K

295a additional material

296 *O. mauritianum* DC.
with root #183
Versuchsanstalt - Kamerun

296a upper portion - same
coll

Uppsala

• mollic (glabrescent form)

Pringle 1229

uncin. Buchlien Oct-Nov 1912

• arechavalatae Molme 1346

barbatum Rehnelt 431 18/249

neo mex Hauman 343

ariz. Pringle 1228

• orbic var. rubric. Palmer

3982
or 3991

proc. v. eig Wright 1010 inst

mollic. Pringle 1227

canum Lindman A1017

Pringlei Pringle 1226 inst

neo mex Febray 2849

obtusum (rigidum) loc. A. Pa

• Darlington

panic J. & G. H. N. Arn

disturb as strictum

• knuif Schaller 875

disturb as strictum

• sericoph. Pringle 2457

" Palmer 312

affine Buchlien Dec. 1917

[over]

~~Ekman~~

tortuosum

subseric.

Meib. prodiga

Ekman 2602

Wedgren anno 1845

Pringle 319

Prints available of types

Tesmodium (*Hedysarum*) ^{DC}
adscendens (Sw.)

D. (*Hedys.*) *spirale* (Sw.) DC.

D. (*Hedys.*) *fruticulosum*
(Schum. & Thonn.) Walp.

D. *salicifolium*

D. (*Hedys.*) ⁱⁿ_n *canum* (Sw.) DC.

D. *Stolzii* Schindl.

D. *zenkeri* Schindl

D. (*Hedys.*) *diffusum* (Willd.) DC.

Lund

adscendens Rio Janeiro Widgren

barbatum *Scitensis* 37 C

" Ekman 9104

torquosum Gaumer 343

" *Sintenis* 4732

" " 1201

" " 5300

" " 2922

" Asplund 5-773

" Gaumer 1021

perplexum Galen, James; no 616

Lancaster Co., Pa.

barbatum Blanchet Bahia

ascend. widgren No

Don #19 Trinidad

= *Hydlerianum*

Spruce vic. Pautarem, Parà

Nov-Mar. 1849-50 *Canum*

panic. Drummond 2nd Coll.

laevig

4

redest J. Scholast. 6^{ter} Darlington

West Chester, Pa.

lineatum Texas Drummond and coll

mus thalli

glutinosus v. Chester Pa. Burlington

Procopidatum

H. G. Toney

Lund

- *canesc.* W. Chester Pa. Darlington
- obtusum* Tex., Drummond - 2nd coll.
- Nuttallii* W. Chester, Pa. Darlington
- *marilandicum* " " "
- Hassleri* Ekman 1713 (Argentina)
- pachyrrhizum* " 1714 "
- Canum*, v. *angustif.* Sinteris 1970
- " " " 5535
- acutatum* Ekman 1709 (Argentina)
- uncinatum* H. & O. Brucher Caracaras
- " Ekman 1711 Argentina
- orbic.* Hartweg 1598 Mex (1836)
- platycarpum* Malme 2274^c
- 19 $\frac{8}{10}$ 02 Brazil
- Grahami* Blumer 3364
- biflorum* Eggers Fl. 1887
- " St. Thomas W.I.
- " Sinteris 813
- adscendens* " 2519
- *canum* Buchtien 769 (Bolivia)
- scorpiurus* Sauters 1202
- " " 2921
- " Ekman 2839
- *proc. typ.* Sinteris 1981
- adscendens* Ekman 6481
- " Asplund 5324 (Ecuador)

canadense 75. Beattie 8/24/27

Lowell, Mass.

barb. Sinteris 5979

" Ekman 1708 Argent

p" Melme 1354 Braz

adscandens Sinteris 141

glabellum Th. Holm Sept 1895

Wash. DC.

cuspid. v. longif. E. J. Hill

Riverside, Desplaines Valley

Illinois #158 - ~~Aug~~ Aug 8, 1902

Cuspid. v. longif.

cuspidatum - E. Tatnell - Delaware

Rocky Hill - Brandywine

Canadense - W. J. Darlington

glutinorum West Chester Pa "

reflorum Lindman #A-3477

18 $\frac{1}{2}$ 94

Brazil

affine Eggers 15-643 Ecuad.

proc. typ. Lindman #A-3407

18 $\frac{10}{5}$ 94 Brazil

affine Ekman 1704 Argentina

" Sinteris 2453 P.R.

Lund

- *adscendens* Sinteris 2780
panic. West. Chester, Pa. Darlington
- *plicatum* Liebmann 4779
- *proc. typ.* Asplund 5674
- " " Ekman 7909 Cuba
- *obtusum (rigidum)* Holm
Aug. 1893 - Washington D.C.
- *rotundif.* K. P. Jansson
Waverford, Conn. Aug. 28, 1926
- " West Chester, Pa. Darlington
- *scorpiurus* Sinteris 3136
- *apill. v. acutif.* " 2728
- *glutinocum* H. A. Seun, Minshell
* Zinck, #694
Pontiac Co., Aldfield Twp.
Conc. 1, Lot 11, Ottawa
Dist., Quebec.
- *Asplund* 5324 = *adscendens*
- *cajanif.* Sieber Fl. Trin. #82
- " Bong 1417
- *glabrum* Purpus - Oct. 13
Oaxaca
- *canum* O'Neil - Fla. Orlando
Aug. 15, 1929

canadense - von Rabenau

N. J.: Essex Co.: Orange Twp
betw. Verona & Eagle Rock
7.8.1889

" P. Wilson 7 #138

N. Y. B. G. Bronx Co. NY
July 24, 1932

" Trease, no. 235, July 1900
Hog Island, Chicago

" leg. Sternberg

" Sandberg - Redwing, Minn
Aug 1885

" " Goodhue Co., Minn. Aug/86

axill. v. gen. Asplund 5435

" " Lintner 1688

" v. acutif. " 1689

glutinosum Th. Holm 8/93
Wash. DC.

" F. E. McDonald Aug/02
Peoria, Ill.

canescens

D. Demaree 7082 - Ark

H. L. Fisher - Henderson Co. Ky

8-23-97 along canal

canadense - A. A. Heller 14281

Iowa - roadside banks
near Schuyler 8/25/26

Lund

- proc. v. typ. Gaumer. 1118
- neo mex Blumer 3344
- Rosei " 3345
- nudifl. P.E. Pierson, July
27, 1878, Westmoreland
Co., Penna
- canum Lindman #A3613
18 $\frac{2}{1}$ 94
- " Lindman A1017
18 $\frac{13}{1}$ 93
- " Malmme 1584^a
19 $\frac{4}{4}$ 02
- " Eggers 15587 Ecuador
- " Ekman 1705 Argentina
- mollic. Asplund 6604
- glabrum Sinteris 3588
- " Eggers - Feb. 1887
St. Thomas, W.I.
- panic M.F. Pl. Gr. Euse
225-
- canescens Small & Heller
357
- perplexum - Moldenke 83
- distribas canescens
- canum Sinteris 515^b
- adscendens " 2644

1914
canadense Pearson - ~~Jan~~
Barradillo N. Mex [Correct?]
ex hb. Geo. L. Fischer

canum Asplund 5297
" Fuertes 214

glut. f. unifol -
Bilt. Hb. 2152 b

unmounted Hinton material
named at Ku:

11348 *O. orbiculare* Schlecht.,
var. *rubicaule* comb. nov.

9258

"

13249 *O. cinereum* (HBK.) DC.

10918

"

"

13303 " *retinens* Schlecht.

11419 " *Scorpiurus* (Sw.) Less.

10863 " *procumbens* (Mill.) Hitchc.

var. *typicum*

10940 *O. Hookerianum* O. Dietr.

12159 " *macrostachyum* Hemsl.

11638 " *plicatum* Schlecht. &

Cham.

12177 " *sericophyllum* Schlecht.

11458

"

"

11498 " *angustifolium* (HBK.) DC.

9610

"

13533 " *densiflorum* Hemsl.

8939

"

"

"

9661 " *prehensile* Schlecht.

11511

"

"

9534 " *procumbens* (Mill.) Hitchc.

var. *typicum*

12771 *O. Sumichrasti* (Schindl.)

Standl.

For.

● Sr. Roland Portères ✓

send prints of article
● of preparation of D.

Rensoni for making
bread & of Meibomia

trigona as useful in
● stopping ^{grasshopper} insect plagues

gave him art. on D. Rensoni,
but not on Meib. trigona.

Colombia - *Desmodium*

D. cajariifolium

Triana (1851-1857)

"Nouvelle-Grenade. - Prov. de
Popayan, Popayan, Hauteur
1500 metr." [pencil no. on
corner of label is 4293]

Peru- *Desmodium*

Note: in *D. cajaniifolium* in
treatment for Fl. Peru "stipules
persistent" but in orig. descr.
it is "stipulae delapsae" which
seems to be correct.

O. callilepis Hemslay

Herbaceum, adscendens vel procumbens, parce pilosulum, ramis gracilibus elongatis striatis, foliis parvis petiolatis trifoliolatis, foliolis lanceolato-oblongis usque suborbicularibus utrinque sparse setulosis, stipulis bracteisque fusco-purpureis striatis persistentibus, floribus mediuscribis racemosis, racemis terminalibus axillari-bus^{ve}, bracteis bracteisque elongatis lanceolato-subulatis, pedicellis filiformibus saepissime geminis, calyce colorato pilosulo, lobis inaequalibus, legumine recto vel leviter curvato subplano juniora dense hirsuto 6-7-articulato, articulis ellipticis.

Her. : Bourgeau 332, 582

Desmodium ovalifolium

R. Du Pasquier in Bull.

Economique de l'Indo-China

pp. 1093 - 1101 [ser B] Jan. 1931

with 3 plates & 4 photos

Indes anglaises, Malacca &
Bornéo. Spontaneous in
Indochine in Cambodia,
Cochinchine au Laos & Annam.
Son aire d'extension
naturelle semble s'arrêter
au Nord Annam. Il est
parfaitement acclimaté
au Moyen Tonkin où on
le trouve déjà répandu
en dehors des terrains
cultivés. (Du Pasquier)

Desmodium adscendens

Devenue afro-occidentale

(Reg. guinéenne, côtière
+ insulaire fortes in-
filtrations forestières)

Element neotropical

(Amérique)

rare in the prairie, isolés
ou petites taches de quelques
individus. Devenue
afro-occidentale.

Oenothera lasiocarpa

Rare dans la prairie.

Quelques individus isolés,
plus nombreux à l'approche
immédiate des bosquets,
des défriches de bosquets.

Asie, Afrique, Element
paleotropical (Ancien Monde)

Lebrun in:

Exploration du Parc National
Albert, p. 298 (1947) - La

Vég. de la Plaine Alluviale
au sud du Lac Edouard.

Oesmodium mauritianum

Common. Piquetant
de ci - de là la prairie.
T.C. Sur friches, bords
chausées.

262
142 22

Robyns,

F.l. des Spermatophytes
du Parc National Albert
i. 326 (1948) —

treatment of 4 spp. with
plate of D. Scalpe D. with
details.

Harms, Notizblatt (Berlin
1913) pp. 308-315.

Notes on *Desmodium* ob-
served by A. Stolz in Nyassa
& Usambara

Chevalier, Aug.

Les *Desmodium* peuvent-
ils ~~être~~ être employés comme
Légumineuses améliorantes?
in Revue de Botanique Appliquée
et d'Agriculture Tropical
xvii. 527-529 (1937)

Nutkinson & Dalziel
Fl. to Trop. Afr. —

Desmodium triflorum
not noted for America -
p. 418 [check identity]

Dalziel -

Useful Plants of
West Tropical Africa.

Burkill, I. H. (or contributor)
Dictionary of the Economic
Products of the Malay
Peninsula i: 792-796
(1935) [2 vols]

In Africa -

D. mauritianum &
D. adscendens are not eaten
by cattle - *D. maurit.* is
more common & is in
forest land - *D. adscendens*
is more local & is found
along roadsides, etc.

Drawings of *Desm.* species (1)

D. Skinneri Benth.

J. D. Smith 3287 fr.

Giesbreght 607 hab.

J. D. Smith 2323 fl. parts

(*Nephromeria*)
D. macrodactylum Blake
from type

(*Nephromeria*)
D. crotaleum Blake
from type

D. prodigum

Pringle 13700 hab. & fr.

Pringle 611 fl. parts

N.B. this pl. is engraved

D. Pringlei Watson

Pringle 1226

Lab. & fr

Rose 1947

fl. parts

D. sumichrasti (Schindl.) Standl.
Laugelassé 869

D. angustatum

Nelson 4126 (GH)

D. macrostachyum Kennel.

hab. & fr. from type

fl. from type & from

Abbot (Tayco - GH)

D. sayatilis

Mexia 1597 (Stanford Hb.)
hab. & fl. parts
Loment (U. S. N. H.)

D. leptocladas

(type?) Kew 104

D. plectocarpum = *polystachyum*
Type Kew hab. & fl.
Purpus 1896 Loment

D. pseudoangelifolium

809 (U. S. N. H.)

S. prostratum Braudet.
(isotype?) G.H.

S. viridiflorum
M. Taylor 293 (Field Mus.)

S. Conzattii
Conzatti 2117 (Field Mus.)

S. occidentalis
Mexico 1334 hab. & fl
~~isotype~~
Mexico 1953 (leb.)
loment & stipule(?)

S. macropodium
Kew

S. guadalarajonium
type

hab. loment & bract

Pringle 11410 fl.

S. n. sp?

Sketch 2033

hab., fl. & sect of stem

Sketch 2046

loment

S. mexicanum

Pringle 1227

S. lephrophyllum

Pringle 5880

hab., loment. & fr. parts

Pringle 5880 (G)

fl.

S. chartaceum Brandegee

type (? or isot.)

hab., fr. hab. & loment

G. H. spec. fl. parts

B. psilocarpum
Wright 1016 (type?)
hab. & loment

loment with 3 arts
from type of *Meib. psilaura*
Rose etc 13475

fl. x6 Harrison 4762

all cut apart

S. bioculatum

Palmer 168

S. cordistipulum

type - hab. x1

Hankon 2818

fl; - loment & fr post
of habit

S. nitidum?

Mena 1677 NYBS

S. n. sp. Hankon 11553